

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	1	Shapiro\$Rudin same phase same sequenc\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 08:09
L3	3	Shapiro\$Rudin and (phase near3 sequenc\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 08:12
L4	3	(US-20030133433-\$).did. or (US-6928084-\$ or US-6512797-\$). did.	US-PGPUB; USPAT	OR	ON	2007/01/05 08:08
L5	0	4 and (Shapiro\$Rudin same phase same sequenc\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 08:09
L6	1	4 and (Shapiro\$Rudin and (phase near3 sequenc\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 08:10
L7	1	4 and (Shapiro\$Rudin)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 08:10
L8	1	Shapiro\$Rudin and pseudo\$random and Newman and (phase near3 sequenc\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 08:14
L9	20	pseudo\$random and Newman and (phase near3 sequenc\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 08:37
L10	1	pseudo\$random same Newman same (phase near3 sequenc\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 08:15

## EAST Search History

L11	3022	370/342.ccls. and (@rlad<"20020708" or @ad<"20020708")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 08:15
L12	1	9 and L11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 08:15
L13	20	9 and Newman	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 08:55
L14	2	"20060245472".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 08:55
L16	4	(US-20030133433-\$).did. or (US-6928084-\$ or US-6512797-\$ or US-6160803-\$).did.	US-PGPUB; USPAT	OR	ON	2007/01/05 10:07
L17	2	16 and remov\$3	US-PGPUB; USPAT	OR	ON	2007/01/05 10:10
L18	0	16 and (remov\$3 near3 (side near3 information))	US-PGPUB; USPAT	OR	ON	2007/01/05 10:11
L19	4	(US-20030133433-\$).did. or (US-6928084-\$ or US-6512797-\$ or US-6160803-\$).did.	US-PGPUB; USPAT	OR	ON	2007/01/05 10:11
L20	0	19 and (remov\$3 near3 (side near3 information))	US-PGPUB; USPAT	OR	ON	2007/01/05 10:11
L21	0	19 and (remov\$3 same (side near3 information))	US-PGPUB; USPAT	OR	ON	2007/01/05 10:12
L22	2	19 and (remov\$3)	US-PGPUB; USPAT	OR	ON	2007/01/05 10:11
L23	3022	370/342.ccls. and (@rlad<"20020708" or @ad<"20020708")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 10:12
L24	0	L23 and (remov\$3 same (side near3 information))	US-PGPUB; USPAT	OR	ON	2007/01/05 10:13
L25	71090	"455"/\$.ccls. and (@rlad<"20020708" or @ad<"20020708")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 10:13

## EAST Search History

L26	16	L25 and (remov\$3 same (side near3 information))	US-PGPUB; USPAT	OR	ON	2007/01/05 10:15
L27	4	L25 and (remov\$3 same (side adj information))	US-PGPUB; USPAT	OR	ON	2007/01/05 10:15
L28	14	("log2" near3 bit) and (phase near3 sequence)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 11:05
S1	1	10/614416	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/29 17:53
S2	38	"6,125,103"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/29 17:34
S3	2	"6125103".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/29 17:23
S4	6	((peak\$to\$peak near3 power near3 ratio) or papr) and (ofdm or "orthogonal frequency division multiplexing") and (slm or "selective mapping").ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/29 17:32
S5	32	((peak\$to\$peak near3 power near3 ratio) or papr) and (ofdm or "orthogonal frequency division multiplexing") and (slm or "selective mapping")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/29 17:32
S6	3014	370/342.ccls. and (@rlad<"20020708" or @ad<"20020708")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/29 17:54
S7	335	370/343.ccls. and (@rlad<"20020708" or @ad<"20020708")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/29 17:34
S8	349	370/203.ccls. and (@rlad<"20020708" or @ad<"20020708")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/29 17:34

## EAST Search History

S9	0	S5 and S6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/29 17:34
S10	0	S5 and S7	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/29 17:52
S11	1	S5 and S8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/29 17:35
S12	4	("2003/0067866").URPN.	USPAT	OR	ON	2006/12/29 17:45
S13	2	("20020168013" "6512797" "6314146" "20040141458" "20010022777" "20020061068" "20040008616" "20030133433" "20030067866" "20020150036"). pn.	USPAT	OR	ON	2006/12/29 17:49
S14	19	("20020168013" "6512797" "6314146" "20040141458" "20010022777" "20020061068" "20040008616" "20030133433" "20030067866" "20020150036"). pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/29 17:49
S15	32	((peaksto\$peak near3 power near3 ratio) or papr) and (ofdm or "orthogonal frequency division multiplexing") and (slm or "selective mapping"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/29 17:51
S16	0	S6 and S15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/29 18:08
S17	6	((peaksto\$peak near3 power near3 ratio) or papr) and (ofdm or "orthogonal frequency division multiplexing") and (slm or "selective mapping").ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/29 18:07
S18	14	("20010022777"   "20020061068"   "20020150036"   "20020168013"   "20030067866"   "20030133433"   "20040008616"   "20040141458"   "5862182"   "6005840"   "6192068"   "6314146"   "6373859"   "6512797").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/29 17:53

## EAST Search History

S19	12	S18 and (@rlad<"20020708" or @ad<"20020708")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/29 17:54
S20	2	(peak\$to\$peak near3 power near3 ratio).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/29 18:12
S21	247	(peak\$to\$average near3 power near3 ratio).ab.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 15:49
S22	2	S6 and S21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/29 18:19
S23	10	(US-20030133433-\$ or US-20020168013-\$ or US-20020150036-\$ or US-20020061068-\$ or US-20010022777-\$).did. or (US-7010028-\$ or US-6266320-\$ or US-6512797-\$ or US-6314146-\$ or US-6005840-\$).did.	US-PGPUB; USPAT	OR	ON	2006/12/29 18:19
S24	2	S23 and (slm or (selective near3 mapping))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/29 18:20
S26	572	phase\$rotat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 14:30
S27	3021	370/342.ccls. and (@rlad<"20020708" or @ad<"20020708")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 15:21
S28	7	S27 and S26	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 14:47

## EAST Search History

S29	11	(US-20020061068-\$ or US-20030133433-\$ or US-20020168013-\$ or US-20020150036-\$ or US-20010022777-\$).did. or (US-7010028-\$ or US-6512797-\$ or US-6314146-\$ or US-6005840-\$ or US-6266320-\$ or US-6535478-\$).did.	US-PGPUB; USPAT	OR	ON	2007/01/03 14:47
S30	0	S29 and (identif\$4 near data near block)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 14:50
S31	0	S29 and (identif\$4 near data)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 14:48
S32	4	S29 and (identif\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 14:48
S33	4	S27 and (identif\$4 near3 data near3 block)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 15:02
S34	0	identif\$4 near3 phase\$ratat\$6 near3 data near3 block	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 15:20
S35	2	identif\$4 near3 phase\$rotat\$6 near3 data near3 block	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 15:17
S36	272	selective near3 mapping	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 07:51
S37	2	S27 and S36	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 15:53

## EAST Search History

S38	19	(US-20040008616-\$ or US-20030067866-\$ or US-20040141458-\$ or US-20020061068-\$ or US-20030133433-\$ or US-20020168013-\$ or US-20020150036-\$ or US-20010022777-\$).did. or (US-6512797-\$ or US-6314146-\$). did. or (EP-1381196-\$ or US-20030067866-\$ or US-20020150036-\$ or US-20040141458-\$ or US-20030133433-\$ or WO-200263845-\$ or EP-1195962-\$ or CA-2291493-\$ or US-6314146-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/01/03 15:19
S39	2	identif\$4 near3 phase\$rotat\$6 near3 data near3 block	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 15:21
S40	1	S38 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 15:21
S41	6429	identif\$4 near3 data near3 block	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 15:21
S42	2	S41 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 15:22
S43	76850	"370"/\$.ccls. and (@rlad<"20020708" or @ad<"20020708")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 11:43
S44	407	S41 and S43	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 15:23

## EAST Search History

S45	0	S44 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 15:22
S46	0	S39 and S43	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 15:23
S47	41	S26 and S43	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 15:24
S48	28071	phase near3 sequenc\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 15:25
S49	10	S47 and S48	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 15:25
S50	26	(papr or (peaksto\$average near3 power near3 ratio)) and (data near3 block) and (slm or "selective mapping") and (ofdm or "orthogonal frequency division multiplexing"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 16:47
S51	2	S27 and S50	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 16:49
S52	21	((papr or (peaksto\$average near3 power near3 ratio)) near3 reduction) and (data near3 block) and (slm or "selective mapping") and (ofdm or "orthogonal frequency division multiplexing"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 16:48
S53	1	S27 and S52	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/03 16:49



## EAST Search History

S55	8217	"s36" and "s43"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 07:49
S56	9984	(selective near3 mapping) or slm	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 07:52
S57	76862	"370"/\$.ccls. and (@rlad<"20020708" or @ad<"20020708")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 07:52
S58	77	S56 and S57	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 07:54
S59	3022	370/342.ccls. and (@rlad<"20020708" or @ad<"20020708")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 07:53
S60	2	S58 and S59	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 07:53
S61	21	((papr or (peaksto\$average near3 power near3 ratio)) near3 reduction) and (data near3 block) and (slm or "selective mapping") and (ofdm or "orthogonal frequency division multiplexing")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 07:54
S62	4	S58 and S61	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 07:55
S63	115	(fft or "fast fourier transform") same output same (data near3 block) same symbol	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 10:46

## EAST Search History

S64	4	S59 and S63	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 10:46
S65	71090	"455"/\$.ccls. and (@rlad<"20020708" or @ad<"20020708")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 11:43
S66	21	S63 and S65	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 11:43
S67	14	(US-20020061068-\$ or US-20030133433-\$ or US-20020168013-\$ or US-20020150036-\$ or US-20010022777-\$).did. or (US-7010028-\$ or US-6512797-\$ or US-6314146-\$ or US-6005840-\$ or US-6266320-\$ or US-6535478-\$ or US-6359874-\$ or US-6928084-\$ or US-5729570-\$).did.	US-PGPUB; USPAT	OR	ON	2007/01/04 11:47
S68	2	(US-6928084-\$ or US-6512797-\$). did.	USPAT	OR	ON	2007/01/04 15:21
S69	2	S68 and (index or indicat\$3)	USPAT	OR	ON	2007/01/04 15:25
S70	1	S68 and ((index or indicat\$3) same phase same sequenc\$4)	USPAT	OR	ON	2007/01/04 15:47
S71	1	S68 and ((index or indicat\$3) same (phase near3 sequenc\$4))	USPAT	OR	ON	2007/01/04 16:37
S72	0	S68 and (log\$U near3 bit)	USPAT	OR	ON	2007/01/04 16:38
S73	14	(US-20020061068-\$ or US-20030133433-\$ or US-20020168013-\$ or US-20020150036-\$ or US-20010022777-\$).did. or (US-7010028-\$ or US-6512797-\$ or US-6314146-\$ or US-6005840-\$ or US-6266320-\$ or US-6535478-\$ or US-6359874-\$ or US-6928084-\$ or US-5729570-\$).did.	US-PGPUB; USPAT	OR	ON	2007/01/04 16:38
S74	0	S73 and (log\$U near3 bit)	USPAT	OR	ON	2007/01/04 16:39
S75	3022	370/342.ccls. and (@rlad<"20020708" or @ad<"20020708")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 16:39

## EAST Search History

S76	0	S75 and (log\$U near3 bit)	USPAT	OR	ON	2007/01/04 16:40
S77	4	("2003/0067866").URPN.	USPAT	OR	ON	2007/01/04 16:40
S78	0	S77 and (log\$U near3 bit)	USPAT	OR	ON	2007/01/04 16:40
S79	19	(US-20040008616-\$ or US-20030067866-\$ or US-20040141458-\$ or US-20020061068-\$ or US-20030133433-\$ or US-20020168013-\$ or US-20020150036-\$ or US-20010022777-\$).did. or (US-6512797-\$ or US-6314146-\$). did. or (EP-1381196-\$ or US-20030067866-\$ or US-20020150036-\$ or US-20040141458-\$ or US-20030133433-\$ or WO-200263845-\$ or EP-1195962-\$ or CA-2291493-\$ or US-6314146-\$).did.	US-PGPUB; USPAT; DERWENT	OR	ON	2007/01/04 16:40
S80	0	S79 and (log\$U near3 bit)	USPAT	OR	ON	2007/01/04 16:42
S81	71090	"455"/\$.ccls. and (@rlad<"20020708" or @ad<"20020708")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 16:41
S82	0	S81 and (log\$U near3 bit)	USPAT	OR	ON	2007/01/04 16:41
S83	0	(log\$U near3 bit)	USPAT	OR	ON	2007/01/04 16:42
S84	1089	(log\$1 near3 bit)	USPAT	OR	ON	2007/01/04 17:24
S85	2	S75 and S84	USPAT	OR	ON	2007/01/04 16:46
S86	22	S81 and S84	USPAT	OR	ON	2007/01/04 17:18
S87	97	((("log2" or "log(2)") near3 bit)	USPAT	OR	ON	2007/01/04 17:26
S88	0	S75 and S87	USPAT	OR	ON	2007/01/04 17:27
S89	76862	"370"/\$.ccls. and (@rlad<"20020708" or @ad<"20020708")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 17:27
S90	4	S89 and S87	USPAT	OR	ON	2007/01/04 17:30
S91	1	S81 and S87	USPAT	OR	ON	2007/01/04 17:33
S92	0	side information inserted phase\$rotated data blocks	USPAT	SAME	ON	2007/01/04 17:35
S93	13	side information inserted phase\$rotated data blocks	USPAT	AND	ON	2007/01/04 17:37
S94	0	S75 and S93	USPAT	AND	ON	2007/01/04 17:35

## EAST Search History

S95	2	S81 and S93	USPAT	AND	ON	2007/01/04 17:38
S96	19	side information insert\$ phase\$rotated data block	USPAT	AND	ON	2007/01/04 17:39
S97	19	side information insert\$3 phase\$rotated data block	USPAT	AND	ON	2007/01/04 17:38
S98	3	S81 and S97	USPAT	AND	ON	2007/01/04 17:38
S99	0	(side adj information) insert\$ phase\$rotated data block	USPAT	AND	ON	2007/01/04 17:40
S10 0	8	(side near3 information) insert\$3 (data near3 block)	USPAT	SAME	ON	2007/01/04 17:41
S10 1	0	S75 and S100	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 17:41
S10 2	1	S81 and S100	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 17:42
S10 3	8950	insert\$3 same (data near3 block)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 17:43
S10 4	45	S75 and S103	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 17:44
S10 5	9	S104 and (front and end)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 17:50
S10 6	0	S68 and (front and end)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/04 17:50
S10 7	1	S68 and (front or end)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/05 07:50